

IN THE SPECIFICATION:

On page 5, line 29, please delete "196" and add in its place --198--.

On page 6, line 10 after "SEQ ID NOS:" please add --84, 85--.

On page 6, lines 10-11, please delete "193 and 199 and 201" and add in its place --194, 199, 201 and 222--.

On page 6, line 12, please delete "194" and add in its place --193--.

B<sub>1</sub> On page 6, line 13, after "pre-" please add --(peptide sequences of SEQ ID NOS:135, 136 and 219, the encoding nucleotide SEQ ID NO:211 and the complement thereof, SEQ ID NO:212)--.

B<sub>2</sub> On page 6, line 13 after "pro-" please add --(peptide sequences of SEQ ID NOS:174, 175 and 220, the encoding nucleotide SEQ ID NOS:207 and 209, and the respective complements thereof, SEQ ID NOS:208 and 210)--.

B<sub>3</sub> On page 6, line 14 after "prepro- regions" please add --(peptide SEQ ID NOS:186, 197 and 218, the respective encoding nucleotide SEQ ID NOS: 181, 192, 213, and 215, and the respective complements thereof, SEQ ID NOS:182, 193, 214 and 216)--

B<sub>4</sub> On page 6, line 14, after "pre-pro persephin amino acid" please add --(SEQ ID NO:217), the encoding nucleotides (SEQ ID NO:203 or 205)--.

On page 6, line 15, before "nucleotide" please add --complementary--.

On page 6, line 15 after "sequences" please add --(SEQ ID NOS:204 and 106, respectively)--.

On page 8, line 8, after "(hNTN)" please add --(SEQ ID NO:1)--.

On page 8, line 8, after "(mNTN)" please add --(SEQ ID NO:2)--.

On page 8, line 9, after "(rGDNF)" please add --(SEQ ID NO:78)--.

On page 8, line 9, after "(mGDNF)" please add --(SEQ ID NO:77)--.

On page 8, line 9, after "(hGDNF)" please add --(SEQ ID NO:76)--.

B<sub>5</sub> On page 8, line 16, after "(SEQ ID NO:11" please add --and SEQ ID NO:7, respectively--.

B<sub>6</sub> On page 8, line 18 after "(SEQ ID NO:17)" please add --, which encodes amino acids 1 through 19 (SEQ ID NO:15)--.

B<sub>7</sub> On page 8, line 19 after "(SEQ ID NO:20)" please add --, which encodes amino acids 20 through 95 (SEQ ID NO:19), the prepro- region from nucleic acid 1 through 285 (SEQ ID NO:25), which encodes amino acids 1 through 95 (SEQ ID NO:23)--.

B<sub>8</sub> On page 8, line 26, after "(SEQ ID NO:12" please add --and SEQ ID NO:8, respectively--.

B<sub>9</sub> On page 8, line 28 after "(SEQ ID NO:18)" please add --, which encodes amino acids 1 through 19 (SEQ ID NO: 16)--.

B<sub>10</sub> On page 8, line 29 after "(SEQ ID NO:21)" please add --, which encodes amino acids 20 through 95 (SEQ ID NO:22), the prepro- region from nucleic acid 1 through 285 (SEQ ID NO:26), which encodes amino acids 1 through 95 (SEQ ID NO:24)--.

On page 8, line 35, after "sequence" please add --(SEQ ID NO:49)--.

On page 9, line 2, after "neurturin" please add --(SEQ ID NO:12)--.

B<sub>11</sub> On page 9, line 7 after "persephin" please delete the "(" and add --(SEQ ID NO:105 and SEQ ID NO:111, respectively), wherein--.

On page 9, line 8 after "81" please replace the ";" with --represent--.

On page 9, line 9 after "respectively" please delete the ")".

On page 9, line 14 after "(SEQ ID NO:87" please add --and 176--.

B<sub>12</sub> On page 9, line 17 after "(SEQ ID NO:97)" please add --and amino acid sequence (SEQ ID NO:240)--.

On page 9, line 22, please replace "(SEQ ID NO:86)" with --(SEQ ID NO:107)--.

On page 9, line 27, please replace "(SEQ ID NO:240)" with --(SEQ ID NO:51)--.

On page 9, lines 34-35, after "mature rat persephin (" please delete "mPSP" and add in its place "rPSP".

On page 10, line 4, after "(TGFβ1)" please add --(SEQ ID NO:150)--.

On page 10, line 5, after "(TGFβ2)" please add --(SEQ ID NO:151)--.

On page 10, line 6, after "(TGFβ3)" please add --(SEQ ID NO:152)--.

On page 10, line 6, after "(INHβA)" please add --(SEQ ID NO:153)--.

On page 10, line 7, after "(INHβB)" please add --(SEQ ID NO:154)--.

On page 10, line 7, after "(NODAL)" please add --(SEQ ID NO:155)--.

B<sub>13</sub> On page 10, line 8, after "(BMP2 and BMP4)" please add --(SEQ ID NOS:156 and 157, respectively)--.

On page 10, line 9, after "(dpp)" please add --(SEQ ID NO:158)--.

B<sub>14</sub> On page 10, line 10, after "(BMP5, BMP6, BMP7, and BMP8)" please add --(SEQ ID NOS:159, 160, 161 and 162, respectively)--.

On page 10, line 11 after "(60A)" please add --(SEQ ID NO:163)--.

On page 10, line 11 after "(BMP3)" please add --(SEQ ID NO:164)--.

On page 10, line 12 after "gene" please add --(SEQ ID NO:165)--.

B<sub>15</sub> On page 10, line 13 after "GDF3" please add --(SEQ ID NOS:166 and 167, respectively)--.

On page 10, line 13 after "(drsln)" please add --(SEQ ID NO:168)--.

On page 10, line 13 after "(INHα)" please add --(SEQ ID NO:169)--.

B<sub>16</sub> On page 10, line 14 after "(MIS)" please add --(SEQ ID NO:170)--.

On page 10, line 14 after "(GDF-9)" please add --(SEQ ID NO:171)--.

On page 10, line 15 after "(GDNF)" please add --(SEQ ID NO:172)--.

On page 10, line 15 after "(NTN)" please add --(SEQ ID NO:173)--.

On page 10, line 17 after "(SEQ ID NO:177" please add --and the reverse complement

B<sub>17</sub> sequence SEQ ID NO:178--.

On page 10, line 22 after "(SEQ ID NO:188" please add --and the reverse complement

B<sub>18</sub> sequence SEQ ID NO:189--.

On page 13, line 13 please replace "(SEQ ID NO:106)" with --(SEQ ID NO:97)--.

On page 13, line 14 after "cDNA" please add --(SEQ ID NO:106)--.

On page 15, line 25 before "and" please add --(SEQ ID NO:140)--.

On page 15, line 26 before the "." please add --(SEQ ID NO:138)--.

On page 28, line 12 after "pro-persephin molecule" please add --(SEQ ID NO:132)--.

On page 32, lines 11-12, please delete "SEQ ID NO:183, 184, 194, 195, 199, 200, 201 or 202" and add in its place --SEQ ID NO:183, 194, 199 or 201; or the respective complementary sequences of SEQ ID NO:184, 195, 200 or 202--.

B<sub>19</sub> On page 35, line 27 please delete "encoding" and add in its place --encode--.

On page 56, line 12 please delete ", SEQ ID NO:180" and add in its place --and the respective complement (SEQ ID NO:180)--.

B<sub>20</sub> On page 56, line 12 please delete ",SEQ ID NO:191" and add in its place --and the

B<sub>21</sub> respective complement (SEQ ID NO:191)--.

On page 103, line 28 after "[5'-TGCTGTCACCATGGCTGCAGGAAGACTTCGGA]" please add --(SEQ ID NO:140)--.

On page 103, line 29 after "[5'-CGGTACCCAGATCTTCAGCCACACAGCCACAAGC]" please add --(SEQ ID NO:138)--.

On page 103, line 33, after "...TCGGA]" please add --(SEQ ID NO:140)--.

On page 103, line 34 after "...CAAGC]" please add --(SEQ ID NO:138)--.

On page 110, line 9 please delete "(SEQ ID NOS:233-234)" and add in its place --(SEQ ID NOS:234 and 233)--.

#### IN THE SEQUENCE LISTING:

B<sub>22</sub> The following amendments have been incorporated into the substitute sequence listing included in this communication, and it is requested that the sequence listing in this case (pp.122-217) be deleted and replaced with the substitute sequence listing included in this communication (pp. 122-204).